Material Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Europe

Version: 3.0

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier	
Product name, item #	**Kinetics White Gold Hardener, KGC01** **Kinetics Rose Gold Hardener, KGC02**
1.2. Relevant identified uses of the substance or mixture and uses advised against	
	Nail polish Professional/ Consumer use.
1.3. Details of the supplier of the safety data sheet	
Responsible person:	**Kinetics Nail Systems, Ltd** 3K Kurzemes pr., Riga, Latvia, LV-1067, Latvia TEL: +(371) 6 7295 260 FAX: +(371) 6 7873 525 e-mail: info@kineticsbeauty.com web: www.kineticsbeauty.com E-mail of person responsible for Product Safety Data Sheet: info@kineticsbeauty.com
1.4. Emergency telephone number	
	EU:112 Emergency telephone for other regions to be filled out by local business

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture	
According to regulation (EC) No 1272/2008:	**Flam. Liq. 2, H225** **Eye Irrit. 2, H319** **STOT SE 3, H336** **EUH066**
Important adverse physicochemical, human health and environmental effects:	**Flam. Liq. 2, Flammable liquids, Hazard Category 2;** **H225** Highly flammable liquid and vapour. **Eye Irrit. 2, Serious eye damage/eye irritation, Hazard Category 2;** **H319** Causes serious eye irritation. **STOT SE 3 Specific target organ toxicity — Single exposure, Hazard Category 3, Narcosis** **H336** May cause drowsiness or dizziness **EUH066** Repeated exposure may cause skin dryness or cracking.
2.2. Label elements	
According to regulation (EC) No 1272/2008:	 **Danger!** H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. EUH066 Repeated exposure may cause skin dryness or cracking. Contains: Ethyl acetate, N-butyl acetate, Propan-2-ol. P101 If medical advice is needed, have product container or label at hand.

	P102 Keep out of reach of children. P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P233 Keep container tightly closed. P261 Avoid breathing mist/vapours. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/eye protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention. P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container to in accordance with local regulation.
2.3. Other hazards	
	Product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).

See section 11 for more detailed information on health effects and symptoms.

SECTION 3: Composition/information on ingredients

3.1. Substances	No relevant.
3.2. Mixtures	Blend of solvents with hazardous and non-hazardous additives.

Ingredient name (INCI)	Identifiers	Conc.%	Classification according to Regulation (EC) 1272/2008 (CLP)	Type
N-butyl acetate [BUTYL ACETATE]	CAS: 123-86-4 EC: 204-658-1 INDEX: 607-025-00-1	25-50	Flam. Liq. 3, H226 EUH066 STOT SE 3, H336	[1] [2]
Ethyl acetate [ETHYL ACETATE]	CAS: 141-78-6 EC: 205-500-4 INDEX: 607-022-00-5	10-25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	[1] [2]
Cellulose nitrate [NITROCELLULOSE]	CAS: 9004-70-0 EC: 682-719-5	10-25	Expl. 1.1, H201	[1]
Propan-2-ol [ISOPROPYL ALCOHOL]	CAS: 67-63-0 EC: 200-661-7 INDEX: 603-117-00-0	5-10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1] [2]
Butan-1-ol n-Butanol [N-BUTYL ALCOHOL]	CAS: 71-36-3 EC: 200-751-6 INDEX: 603-004-00-6	0,1-1	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	[1] [2]
2,4-Dihydroxybenzophenone [BENZOPHENONE-1]	CAS: 131-56-6 EC: 205-029-4	0,1-1	Eye Irrit. 2, H319 Repr. 2, H361 Aquatic Chronic 2, H411	[1]
Silicon dioxide [SILICA]	CAS: 7631-86-9 EC: 231-545-4	0,1-1	Not Classified	[2]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.
See section 16 for the full text of the H phrases declared above.
Occupational exposure limits, if available, are listed in section 8.
[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
[3] PBT-substance
[4] vPvB-substance

SECTION 4: First aid measures

4.1. Description of first aid measures	
General advice:	Remove contaminated clothing.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Remove contaminated clothing and wash before reuse. Remove and destroy contaminated shoes. Flush with plenty of water. Obtain medical attention if irritation persists.
Eye contact:	Immediately wash the eyes with plenty of water for at least 15 min holding the eye open. Obtain medical attention if irritation persists.
Ingestion:	Do not INDUCE VOMITING. Rinse mouth with water. Get medical attention if feeling unwell.
4.2. Most important symptoms and effects, both acute and delayed	
Inhalation:	May cause nose and throat irritation. Harmful if inhaled. May cause drowsiness or dizziness.
Skin contact:	Causes skin irritation. Swelling and redness of skin, dermatitis.
Eye contact:	Cause eye irritation, conjunctivitis, lacrimation, redness and swelling of eyes.
Ingestion:	May be harmful if swallowed, may cause abdominal pain.
4.3. Indication of any immediate medical attention and special treatment needed	
Specific treatments:	Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

See section 11 for more detailed information on health effects and symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media	
Suitable extinguishing media:	Foam, extinguishing powder, carbon dioxide, fine water spray.
Unsuitable extinguishing media:	Water in a jet.
5.2. Special hazards arising from the substance or mixture	
	Hazardous combustion products: Oxides of carbon, oxides of nitrogen, irritating organic vapours.
5.3. Advice for firefighters	
	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. During emergency conditions, overexposure to decomposition products may cause a health hazard; symptoms may not be immediately apparent. Obtain medical attention.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	
	Avoid contact with skin and eyes. Wear protective equipment. Provide adequate ventilation Keep away from heat and sources of ignition.
6.2. Environmental precautions	
	Do not empty into drains / surface water / ground water. Prevent further leakage or spillage.
6.3. Methods and material for containment and cleaning up	
	Soak up with inert absorbent material (e.g. sand, silica gel, universal binder). Keep in suitable, closed containers for disposal. Dispose of in accordance with local regulations.
6.4. Reference to other sections	
	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	
Protective measures:	Avoid inhalation, skin and eye contact.
Advice on general	Good industrial hygiene practices should be observed.

occupational hygiene:	No smoking. Provide sufficient air exchange and/or exhaust in work rooms. Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Take off all contaminated clothing immediately. See also Section 8 for additional information on hygiene measures.
7.2. Conditions for safe storage, including any incompatibilities	
Storage:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Store in well-ventilated area. Keep containers (solvent resistant) closed when not in use. Store away from ignition sources. All equipment should be grounded. Avoid strong oxidizing agents, store in a clean, dry area. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Empty container may retain product residues (vapour or liquid).
7.3. Specific end use(s)	
Industrial sector specific solutions:	No applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	
Occupational exposure limits	Limit values are laid down throughout the EU, but each Member State establishes its own national OELs, often going beyond EU legislation. OELs are set by competent national authorities and other relevant institutions. **EU:** *ETHYL ACETATE:* Long-term exposure limit, 8-hr TWA reference period: 734 mg/m^3; 200 ppm. Short-term exposure limit, 15-minute reference period: 1468 mg/m^3; 400 ppm. **Germany (TRGS-900):** N-BUTYL ACETATE: Long-term exposure limit, 8-hr TWA reference period: 60 ppm; 300 mg/m^3. *ETHYL ACETATE:* Long-term exposure limit, 8-hr TWA reference period: 1500 mg/m^3; 400 ppm. *PROPAN-2-OL (ISOPROPYL ALCOHOL):* Long-term exposure limit, 8-hr TWA reference period: 200 ppm; 500 mg/m^3. *N-BUTYL ALCOHOL:* Long-term exposure limit, 8-hr TWA reference period: 100 ppm; 310 mg/m^3. *SILICON DIOXIDE:* Long-term exposure limit, 8-hr TWA reference period: 4E mg/m^3. **United Kingdom (HSE, 2011):** *N-BUTYL ACETATE:* Long-term exposure limit, 8-hr TWA reference period: 150 ppm; 724 mg/m^3. Short-term exposure limit, 15-minute reference period: 200 ppm; 966 mg/m^3. *ETHYL ACETATE:* Long-term exposure limit, 8-hr TWA reference period: 200 ppm. Short-term exposure limit, 15-minute reference period: 400 ppm. *PROPAN-2-OL (ISOPROPYL ALCOHOL):* Long-term exposure limit, 8-hr TWA reference period: 400 ppm; 999 mg/m^3. Short-term exposure limit, 15-minute reference period: 500 ppm; 1250 mg/m^3. *N-BUTYL ALCOHOL (SKIN):* Short-term exposure limit, 15-minute reference period: 50 ppm; 154 mg/m^3. **Latvia (AER, reg.325/2011):** *N-BUTYL ACETATE:* Long-term exposure limit, 8-hr AER: 200 mg/m^3. *ETHYL ACETATE:* Long-term exposure limit, 8-hr AER: 200 mg/m^3.

	PROPAN-2-OL (ISOPROPYL ALCOHOL): Long-term exposure limit, 8-hr AER: 350 mg/m^3; Short-term exposure limit, 15-minute reference period: 600 mg/m^3. *N-BUTYL ALCOHOL:* Long-term exposure limit, 8-hr AER: 10 mg/m^3. *SILICON DIOXIDE:* Long-term exposure limit, 8-hr TWA reference period: 1 mg/m^3.
Recommended monitoring Procedures:	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.
8.2 Manufacturer: Exposure controls	
Appropriate engineering Controls:	Ensure good ventilation/extraction.
Individual protection measures:	
Hygiene measures:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
Respiratory protection	 Ensure adequate ventilation. An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area.
Eye/face protection:	 Safety glasses with side shields or chemical safety goggles should be worn if there is a risk of splashing.
Skin protection:	 Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness). Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness). This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced. Wear suitable protective clothing.
Environmental exposure controls:	
	According to available technology.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
Appearance	
Physical state	Viscous liquid
Colour	Various
Odour	Characteristic solvent
Odour threshold	Not applicable**.**
pH at 25 ^{o}C	Not applicable**.**
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available

Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility(ies)	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	2000 - 3000 mPa*s (Brookfield – Spindle s63 – 25°C – 6 rpm) 800 - 1200 mPa*s (Brookfield – Spindle s63 – 25°C – 60 rpm)
Evaporation rate	Not available
Explosive properties	Not available.
Oxidising properties	Not available
9.2. Other information	
Gloss	70 - 100Gu

SECTION 10: Stability and reactivity

10.1. Reactivity	
	No hazardous reactions if stored and handled as prescribed/indicated.
10.2. Chemical stability	
	Stable under normal conditions. On storage, it is slowly decomposed by water.
10.3. Possibility of hazardous reactions	
	Material WILL NOT undergo hazardous polymerization.
10.4. Conditions to avoid	
	AVOID Heat, sparks, open flame.
10.5. Incompatible materials	
	Strong acids and strong bases, strong oxidizing agents.
10.6. Hazardous decomposition products	
	Oxides of carbo and various organic and inorganic compounds.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008				
Product:	ATE mix Oral calculation: >2000 mg/kg, not classified as acute toxic.			
Ingredients:				
Substance name	**Result**	**Species**	**Dose**	**Exposure**
N-butyl acetate [BUTYL ACETATE]	LD50 Oral	Rat	12.2 mL/kg bw	
	LC50 inhalation	Rat	> 21 mg/L air (analytical)	
	LD50 Dermal	Rabbit	> 16 mL/kg bw	24 h
Ethyl acetate [ETHYL ACETATE]	LD50 Oral	Rat	12.2 mL/kg bw	
	LC50 inhalation	Rat	> 21 mg/L air (analytical)	
	LD50 Dermal	Rabbit	> 16 mL/kg bw	24 h
Propan-2-ol	LD50 Dermal	Rabbit	16.4 mL/kg bw	NA
	LD50 Oral	Rat	5.84 other: g/kg body weight	NA
	LC0 Inhalation	Rat	10000 ppm	6 h
Butan-1-ol n-Butanol [N-BUTYL ALCOHOL]	LD50 Oral	Hamster	1 200 mg/kg bw	
	LC0 Inhalation	Rat	> 17.76 mg/L air (analytical)	4 h
	LD50 Dermal	Rabbit	ca. 3 430 mg/kg bw	
2,4-Dihydroxybenzophenone [BENZOPHENONE-1]	LD50 Oral	Rat	8 600 mg/kg bw	
Eye irritation:				
N-butyl acetate [BUTYL ACETATE]	New Zealand white rabbits were exposed to 0.1 mL of undiluted n-Butyl acetate and were observed for up to 14 days where necessary. Overall no iritis occurred and only barely			

	perceptible effects were seen on the cornea (score: 1) as well as the conjunctivae (redness score:1, chemosis score: 1), which were all reversible within a maximum of 14 days (ECETOC, 1998). EYE IRRIT. 2 H319.
Ethyl acetate [ETHYL ACETATE]	Causes serious eye irritation.
Propan-2-ol	Category II Causes serious eye irritation (rabbit).
Butan-1-ol n-Butanol [N-BUTYL ALCOHOL]	Category 1 (irreversible effects on the eye) based on GHS criteria. OECD Guideline 405 (Acute Eye Irritation / Corrosion). [Rabbit]
2,4-Dihydroxybenzophenone [BENZOPHENONE-1]	Category 2B (mildly irritating to eyes). OECD Guideline 405 (Acute Eye Irritation / Corrosion). [Rabbit].
Skin irritation/ corrosion:	
N-butyl acetate [BUTYL ACETATE]	Repeated exposure may cause skin dryness or cracking.
Ethyl acetate [ETHYL ACETATE]	Repeated exposure may cause skin dryness or cracking.
Butan-1-ol n-Butanol [N-BUTYL ALCOHOL]	Category 2 (irritant) based on GHS criteria. [Rabbit]
Sensitisation:	No known effect according to our database.
Repeated dose toxicity:	No known effect according to our database.
Carcinogenicity:	No known effect according to our database.
Mutagenicity:	No known effect according to our database.
Toxicity for reproduction:	
2,4-Dihydroxybenzophenone [BENZOPHENONE-1]	Repeated dose toxicity: via oral route - systemic effects: NOAEL: 236 mg/kg bw/day.
Specific target organ toxicity. Single / repeated exposure:	
N-butyl acetate [BUTYL ACETATE]	Repeated exposure may cause skin dryness or cracking.
Ethyl acetate [ETHYL ACETATE]	May cause drowsiness or dizziness.
Propan-2-ol	May cause drowsiness or dizziness.
Butan-1-ol n-Butanol [N-BUTYL ALCOHOL]	*Single exposure:* Hazard category: STOT Single Exp. 3 Hazard statement: H335: May cause respiratory irritation. Affected organs: respiratory tract, skin, eyes *Repeated exposure:* Hazard category: STOT Single Exp. 3 Hazard statement: H336: May cause drowsiness or dizziness. Affected organs: CNS
Potential acute health effects	
Inhalation:	May cause nose and throat irritation. Harmful if inhaled. May cause drowsiness or dizziness.
Skin contact:	Causes skin irritation. Swelling and redness of skin, dermatitis.
Eye contact:	Cause eye irritation, conjunctivitis, lacrimation, redness and swelling of eyes.
Ingestion:	May be harmful if swallowed, may cause abdominal pain.
Symptoms related to the physical, chemical and toxicological characteristics	
Eye contact:	Irritation, conjunctivitis.
Inhalation:	Irritation, coughing, shortness of breath, drowsiness or dizziness.
Skin contact:	Redness, inflammation. Rash, Urticaria.
Ingestion:	Gastrointestinal symptoms, such as nausea, vomiting, abdominal pain, and diarrhea could develop.
Delayed and immediate effects and also chronic effects from short and long term exposure	
Short term exposure:	
Potential immediate effects:	Not available.
Potential delayed effects:	Not available.
Long term exposure:	Not available.
Potential immediate effects:	Not available.

Potential delayed effects:	Not available.
Potential chronic health effects:	Not available.
Conclusion/Summary	
General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
11.2. Information on other hazards	
	Not available.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity

Substance name	Species	Dose descriptor	Effect conc.	Duration
2,4-Dihydroxybenzophenone [BENZOPHENONE-1]	Fish - Oryzias latipes	LC50	3.7 mg/L	96 h
		NOEC	1.6 mg/L	96 h
	Fish - (Q)SAR	ChV (NOEC)	1.454 mg/L	30 d.
	Crusticeans - Daphnia sp.	LC50	7.86 mg/L	48 h
		NOEC	4 mg/L	48 h
	Crusticeans - (Q)SAR (Daphnia sp.)	ChV (NOEC)	5.766 mg/L	21 d.
	Algae and cyanobacteria - (Q)SAR	EC50	2.12 mg/L	96 h
		Chronic value (NOEC)	0.327	96 h
	Microorganisms - Tetrahymena pyriformis	IC50	9.14 mg/L	48 h

12.2. Persistence and degradability	
2,4-Dihydroxybenzophenone [BENZOPHENONE-1]	Inherently biodegradable.
12.3. Bioaccumulative potential	
2,4-Dihydroxybenzophenone [BENZOPHENONE-1]	BCF (aquatic species): 10.9 L/kg ww
12.4. Mobility in soil	
2,4-Dihydroxybenzophenone [BENZOPHENONE-1]	Koc at 20 °C: 1 235
12.5. Results of PBT and vPvB assessment	
	Regarding all available data on biotic and abiotic degradation, bioaccumulation and toxicity it can be stated that the substance does not fulfil the PBT criteria (not PBT) and not the vPvB criteria (not vPvB). .
12.6. Endocrine disrupting properties	
	No known significant effects or critical hazards.
12.7. Other adverse effects	
	No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Product:	
Methods of disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Hazardous waste:	Within the present knowledge of the supplier, this product IS regarded as hazardous waste, as defined by EU regulation 1357/2014
European waste catalogue (EWC):	20 01 13* Solvents
Packaging:	
Methods of disposal:	The generation of waste should be avoided or minimized wherever possible. Packaging: IBC container, plastic drum. Waste packaging should be recycled.

Special precautions:	This material and its container must be disposed of in a safe way.

SECTION 14: Transport information

International transport regulations: Regulated

	ADR/RID	ADN	IMDG	IATA
14.1. UN number or ID number	1266	1266	1266	1266
14.2. UN proper shipping name	PERFUMERY PRODUCTS with flammable content (BUTYL ACETATE; ETHYL ACETATE).			
14.3. Transport hazard class(es)	 3	 3	 3	 3
14.4. Packing group	II	II	II	II
14.5. Environmental hazards	none	none	none	none
14.6. Special precautions for user	Limited quantities: 5L Exempted quantities: Inner package: 30 mL Outer package: 500 mL	Limited quantities: 5L Exempted quantities: Inner package: 30 mL Outer package: 500 mL	Not viscous product as per IMDG code 2.3.2.5. Limited Quantity: 5l/30kg (gross). Certified packing: Internal packing metal, glass, plastic. External packing: Cartoon 4G. Flash point : -5°C	353 (Passenger) - Maximum Quantity 5l 364 (Cargo) - Maximum Quantity 60l
14.7. Maritime transport in bulk according to IMO instruments	Not applicable.			

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures.
ADR - the European Agreement concerning the International Carriage of Dangerous Goods by Road, concluded at Geneva on 30 September 1957, as amended.
RID - the Regulations concerning the International Carriage of Dangerous Goods by Rail, appearing as Appendix C to the Convention concerning International Carriage by Rail (COTIF) concluded at Vilnius on 3 June 1999, as amended.
ADN - the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways concluded at Geneva on 26 May 2000, as amended.
IMDG Code - International Maritime Dangerous Goods Code.
IATA/ICAO: ICAO - International Civil Aviation Organization. IATA - International Air Transport Association.
MARPOL 73/78 - International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978.
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH):

Annex XIV - List of substances subject to authorization:	Substances of very high concern: None of the components are listed.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:	Not applicable.

15.2. Chemical safety assessment

Chemical Safety Assessment following regulation 1907/2006/EC:	A Chemical Safety Assessment has not been carried out for the mixture.

SECTION 16: Other information

Abbreviations and acronyms:	
Full text of abbreviations	CLP: Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008] ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road RID: International Rule for Transport of Dangerous Substances by Railway IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association CAS: Chemical Abstracts Service EINECS: European Inventory of Existing Commercial chemical Substances LC50: Median lethal concentration LD50: Median lethal dose REACH: Registration, Evaluation and Authorisation of Chemicals PBT: Persistent, bio-accumulative and toxic vPvB: Very persistent, very bio-accumulative
Full text of classifications and H statements [CLP/GHS]:	Expl. 1.1, Explosives, Division 1.1; H201 Explosive; mass explosion hazard. Flam. Liq. 2, Flammable liquids, Hazard Category 2; H225 Highly flammable liquid and vapour. Flam. Liq. 3, Flammable liquids, Hazard Category 3; H226 Flammable liquid and vapour. Acute Tox. 4, Acute toxicity (oral), Hazard Category 4; H302 Harmful if swallowed. Skin Irrit. 2, Skin corrosion/ irritation, Hazard Category 2; H315 Causes skin irritation. Eye Dam. 1, Serious eye damage/eye irritation, Hazard Category 1; H318 Causes serious eye damage. Eye Irrit. 2, Serious eye damage/eye irritation: Hazard Category 2; H319 Causes serious eye irritation. STOT SE 3, Specific target organ toxicity — Single exposure, Hazard Category 3, Respiratory tract irritation; H335 May cause respiratory irritation. STOT SE 3, Specific target organ toxicity — Single exposure, Hazard Category 3, Narcosis; H336 May cause drowsiness or dizziness. Repr. 2, Reproductive toxicity, Hazard Category 2; H361 Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. Aquatic Chronic 2, Long-term (chronic) aquatic hazard, Category 2; H411 Toxic to aquatic life with long lasting effects. EUH066 Repeated exposure may cause skin dryness or cracking.
Classification system	**Classification for health effects:** conventional (calculation) method is used. Eye Irrit. 2, H319 STOT SE 3, H336 EUH066 **Classification for physico-chemical effects:** Flam. Liq. 2, H225 **Classification for environmental effects:** conventional (calculation) method is used. Not classified.
Training advice:	
	In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.
Revision notes:	
	Composition in section 3 has been updated and all the relevant sections that needed update according to the new composition have been updated.
Used literature:	
	European Chemical Agency's homepage (http://echa.europa.eu/). Safety data sheets of individual components.
DISCLAIMER OF LIABILITY:	

	The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

END OF SAFETY DATA SHEET